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INTERNATIONAL SEARCH REPORT

International Acception No PCT/CA 03/00883

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A CLASSI IPC 7	FICATION OF SUBJECT MATTER E01H1/05 E01H1/10		
	o International Patent Classification (IPC) or to both national classific	atton and IPC	
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Documentat	ion searched other than minimum documentation to the extent that	such documents are included in the field	s searched
Electronic d	ata base consulted during the laternational search (name of data ba	se and, where practical, search terms u	86 d)
EPO-In	ternal		
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category *	Challen of document, with indication, where appropriate, of the re	levant passages	Relevant to daim No.
X	US 4 069 540 A (ZAMBONI FRANK J) . 24 January 1978 (1978-01-24)		1-6, 11-14, 16-22
Υ	column 2, line 4 -column 3, line column 4, line 5 - line 35; figu	7-10,15	
Y	US 2003/037388 A1 (FEYMA DANIEL AL) 27 February 2003 (2003-02-27) paragraph '0023!; figures 1,6	7-10,15	
A	EP 0 447 601 A (ROLBA AG) 25 September 1991 (1991-09-25) column 2, line 36 - line 44 column 3, line 11 - line 17 column 3, line 55 -column 4, line figures	e 1;	1,3,11, 12,18
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X Furt	her documents are listed in the continuation of box C.	Patent family members are its	ted in annex.
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	document but published on or after the International	"X" document of particular relevance; ti cannot be considered novel or car	he claimed invention
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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		lo la constant		
Category *	Chailon of document, with indication, where appropriate, of the relevant passages	of the relevant passages Relevant to claim No.			
A	US 3 902 219 A (JONES JUDSON 0) 2 September 1975 (1975-09-02)				
	10 (continuation of second sheet) (July 1992)				

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information on patent family members

PCT/CA 03/00883

Patent document cited in search report		Publication date	Patent family member(s)		Publication date	
US 4069540	Α	24-01-1978	NONE			
US 2003037388	A1	27-02-2003	NONE			
EP 0447601	A	25-09-1991	DE EP	9003356 U1 0447601 A1	31-05-1990 25-09-1991	
US 3902219	Α	02-09-1975	NONE			